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RAW SEQUENCE LISTING DATE: 11/14/2001 PATENT APPLICATION: US/09/943,108 TIME: 15:44:16

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4 <110> APPLICANT: Black, Michael T.
7 <120> TITLE OF INVENTION: SIGNAL RECOGNITION PARTICLE POLYPEPTIDES
        AND POLYNUCLEOTIDES
10 <130> FILE REFERENCE: GM50035
12 <140> CURRENT APPLICATION NUMBER: 09/943,108
                                                          ENTERED
13 <141> CURRENT FILING DATE: 2001-08-30
15 <150> PRIOR APPLICATION NUMBER: 09/035,382
16 <151> PRIOR FILING DATE: 1998-03-05
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24 <212> TYPE: DNA
25 <213> ORGANISM: Staphylococcus aureus
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31 ttaggttccg atgtaatgca atcattaaca ccagggcaac aagttattaa aatagttcaa
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46 aaagggctag ataagcttaa tatgagtgaa aagcaaattg atcatattaa agcgattatc
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48 cgtattgcta aagggtctgg tcgttcatta caagaagtca atcgtttgat gaaacaattt
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49 aacgatatga agaaaatgat gaaacaattc actggtggcg gtaaaggtaa aaaaggtaaa
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61
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63		_	35	_,		_	1	40	.	01	•		45	01	0	3
64	Val	-	GIU	Pne	TTE	Lys		vaı	ser	GIU	Arg		Leu	GIY	ser	Asp
65	,	50	~1	a	.	m1	55	a 1	<u> </u>	~1 ~	37-1	60	T	т1.	37.0.3	Cln
66		мет	GIn	ser	Leu	Thr	Pro	GIY	GIN	GIN		тте	цуѕ	TIE	Val	80
67	65	~ 3		-m1	.	70	3.6 - J	a 1	a 1	01	75	ml	C	т1.	7.00	
68	Asp	GIU	Leu	Thr	_	Leu	Met	СТА	СТА	90	ASII	THI	Ser	ire	95	Met
69	a	3	T	Dma	85 Dmo	Thr	17 o 1	17 o 1	Mot		Val	C1 17	Tau	Cln	-	7.1 -5
70	ser	ASII	гаг	100	PIO	1111	Val	Val	105	Mec	Val	GIY	пец	110	GLY	ALG
71 72	C1	Tarc	mhr		Пhr	Ala	Cl w	Lare		Δla	T.e.ii	T.211	Met		T.vs	Lvs
73	GIY	цур	115	1111	1111	ALG	GLY	120	Deu	AIG	пси	ьси	125	1119	L)	1,5
74	Патъ	7 an		Lare	Dro	Met	T.a.ı		Δla	Δla	Asn	Tle		Δτα	Pro	λla
75	TAT	130	пуъ	пуъ	rio	rict	135	Val	nia	ALG	nop	140	-1-	*** 9		1124
76	λ1 s		λen	Gln	T.e.11	Gln		Va 1	Glv	T.vs	Gln		Asp	Tle	Pro	Val
77	145	110	Non	0111	LCu	150		741	011	2,0	155		or			160
78		Ser	Glu	Glv	Asp	Gln	Val	Lvs	Pro	Gln		Ile	Val	Thr	Asn	
79	-1-	201	014	027	165			-1 -		170					175	
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81				180	-				185	-				190		
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83		_	195					200					205			
84	Val	Lys	Glu	Ile	Ala	Lys	Pro	Asn	Glu	Ile	Met	Leu	Val	Val	Asp	Ser
85		210					215					220				
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87	225					230					235				_	240
88	Leu	Asp	Val	Thr		Val	Thr	Leu	Thr		Leu	Asp	Gly	Asp		Arg
89			_		245				_	250			_	_	255	_
90	Gly	Gly	Ala		Leu	Ser	Ile	Arg		Va⊥	Thr	GIn	Lys		He	гÃг
91	_,		~ 1.	260	a	a 1	T	T	265	61	т	~1	T	270	111.0	Dmo
92	Phe	Val	_	Met	Ser	Glu	гĀг		Asp	GLY	ьeu	GIU		Pne	HIS	Pro
93	c1	3	275 Mat	710	C ~ ~	Arg	т1 о	280	C1 11	Mot	C1 11	λαη	285	Lou	Cor	T.OU
94 95	Glu	290	Met	Ата	Ser	AIG	295	Leu	GIY	Mec	GLY	300	Val	пец	361	Leu
95 96	Tlo		Larc	λla	Cln	Gln		Val	Agn	Gln	Glu		Δla	Tags	Asn	T.e.II
97	305	GIU	пуз	пια	GIII	310	изъ	Val	пор	GIII	315	273	nru	1 ,5	IIO P	320
98		T.VS	T.VS	Met	Δra	Glu	Ser	Ser	Phe	Thr	_	Asp	Asp	Phe	Leu	_
99	014	L 10			325	024				330					335	
100	Glı	n Lei	u Ası	o Glr	-	L Lvs	Asr	ı Leı	ı Gl		o Lei	ı Ası	Ası	p Il	e Me	t Lys
101				340		-			34			•		35		-
102	Me	t Ile	e Pro			t Asn	Lys	Met	t Ly	s Gly	y Le	ı Ası	o Ly	s Le	u Asi	n Met
103			35				-	360			-	_	36			
104	Se:	r Gl	u Lys	s Glı	ı Ile	a Asp	His	s Ile	e Ly.	s Ala	a Ile	e Ile	e Gla	n Se	r Me	t Thr
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106	Pro	o Ala	a Glu	u Arg	g Ası	n Asr	Pro	Ası	Th:	r Le	a Ası	n Va	L Se	r Ar	д Гу	s Lys
107	38.	5				390)				39	5				400
108	Ar	g Il	e Ala	a Lys	s Gl	y Ser	: Gly	/ Ar	g Se	r Le	u Gli	ı.Glu	ı Va	l As		g Leu
109					40	-				410					41	
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168	Ala Gly	-	u His	Ile	Asp		Ala	Leu	Met	Asn		Leu	Lys	Glu		
169	_	195				200					205			_		
170	Val Lys	Glu Il	e Ala	Lys		Asn	Glu	Ile	Met		Val	Val	Asp	Ser		
171	210		_		215	_	-			220		_	_			
172	Met Thr	GIA GI	n Asp		Val	Asn	Val	Ala		Ser	Phe	Asp	Asp			
173	225			230	_,	_	1	_	235	_		_	1	240		
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186	atgatata															20 80
187	. 5-5													40		
188	_		-													¥ 0 0 0
189 190														50		
		_				_	-									20
191 192	gaattacg aagagttg															80
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	5 <210> SEQ ID NO: 6 5 <211> LENGTH: 358															
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	<213> ORG			hvlo	מממו	ารลา	ireiis	=								
	<400> SEC		_		0000	20 u	cu.	•								
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202	geggttee															20
203															18	80
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216	agatttcg														18	80
217									gatt	tage	ctaac	ega	cttt	ggttac	24	40
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W>	233	attnaaatat agtaatatat atctttccgt gctaggtggg gaggtagcgg ttccctgtac	180
	234	tegaaateeg etttatgega ggettaatte etttgttgag geegtatttt tgegaagtet	240
	235	gcccaaagca cgtagtgttt gaagatttcg gtcct	275

VERIFICATION SUMMARY

DATE: 11/14/2001

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TIME: 15:44:17

Input Set : N:\Crf3\RULE60\09943108.txt
Output Set: N:\CRF3\11142001\I943108.raw

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